

AMENDMENTS TO THE CLAIMS

Listing of Claims

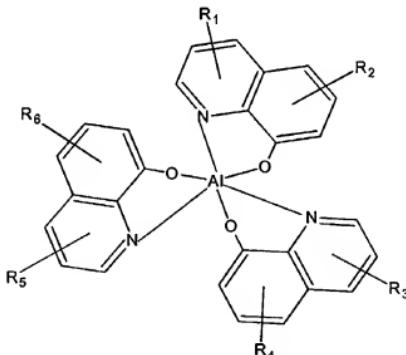
A listing of the entire set of pending claims is submitted herewith per 37 CFR 1.121.
This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A conductor material for LEDs for improving the light outcoupling, wherein
 - the conductor material is at least one of selected from the group comprising hole conductor material, electron conductor material and/or emitter material,
 - the conductor material comprises at least one conductive fluorinated organic substance having at least one fluorinated alkyl substituent, one fluorinated alkenyl substituent and/or one fluorinated alkynyl substituent, wherein at least two fluorine atoms are bonded to at least one carbon atom of the fluorinated substituent, and
 - the conductive fluorinated organic substance has a refractive index of ≥ 1.30 and ≤ 1.55 .
2. (Currently amended) A conductor material as claimed in claim 1, wherein the fluorinated substituent is a linear or branched alkyl, alkenyl and/or alkynyl substituent.
3. (Previously presented) A conductor material as claimed in claim 1, wherein C_mF_{m+x} applies in respect of at least one fluorinated substituent, in which
 - $m = 1$ to 20; and
 - $X = 1$ to $m + l$, with m being an integer.
4. (Currently amended) A conductor material as claimed in claim 1, wherein the conductive fluorinated organic substance is a monomer, oligomer or polymer, the conductive fluorinated substance comprising conjugated double and/or triple bonds and having a molecular weight of ≥ 100 and $\leq 300,000$.

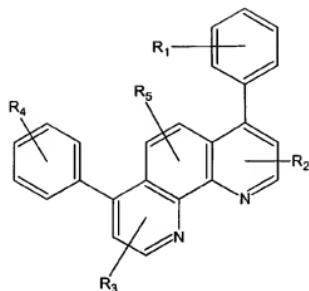
5. (Currently amended) A conductor material as claimed in claim 1 wherein the conductive fluorinated organic substance is selected from the group comprising aryl compounds, perfluorinated adamantane, triphenylamine compounds, carbazole compounds, oxadiazole compounds, triazole compounds, triazine compounds, fluorene compounds, hexaphenylbenzene compounds, phenanthroline compounds, pyridine compounds, polyfluorene with perfluorinated side chains, conjugated polymers, poly-para-phenylene vinylene (PPV), polyvinylcarbazole, metal complexes, quinoline compounds, acetylacetone compounds, bipyridine compounds, and/or phenanthroline compounds.

6. (Currently amended) A conductor material as claimed in claim 1, wherein the conductive fluorinated organic substance has a refractive index of ≥ 1.30 and ≤ 1.50.

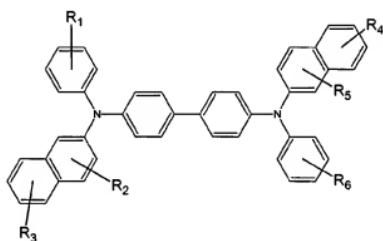
7. (Currently amended) A conductor material as claimed in claim 1, wherein the conductive fluorinated organic substance is selected from the group comprising at least one compound having one of the following structural formulae I to XX:



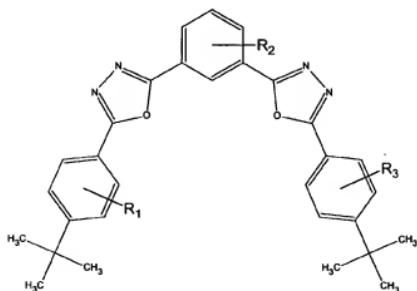
Formula I



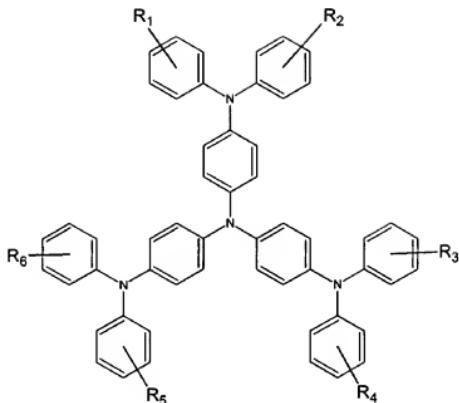
Formula II



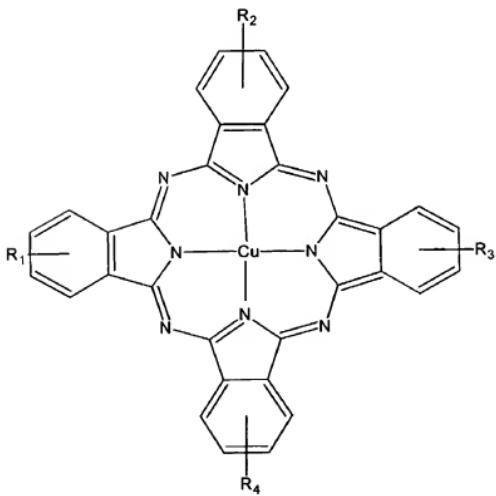
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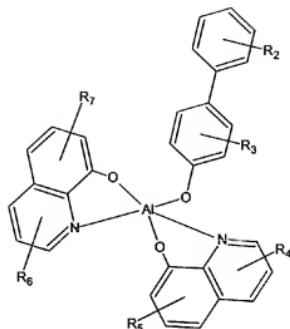
Formula IV



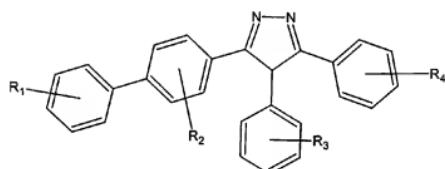
Formula V



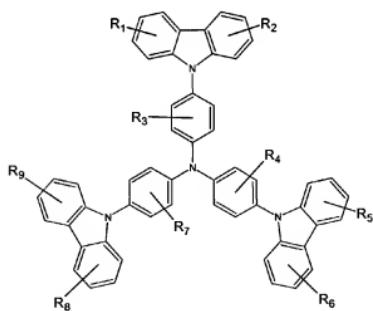
Formula VI



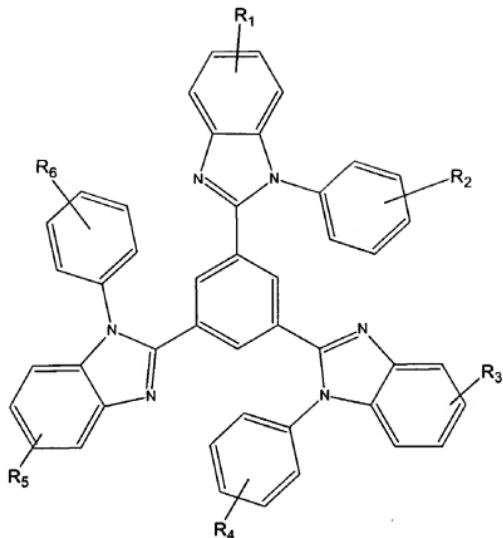
Formula VII



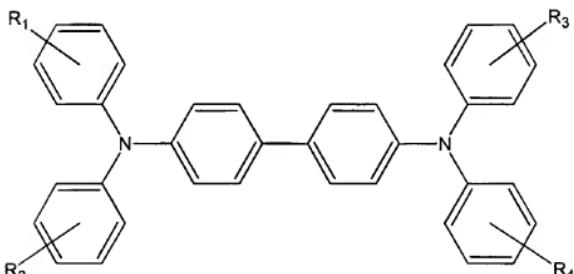
Formula VIII



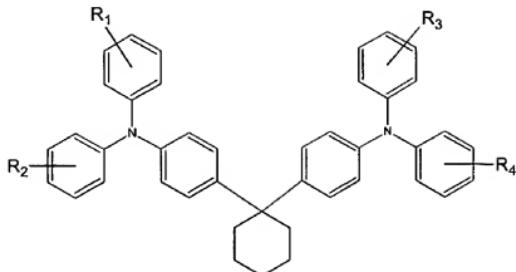
Formula IX



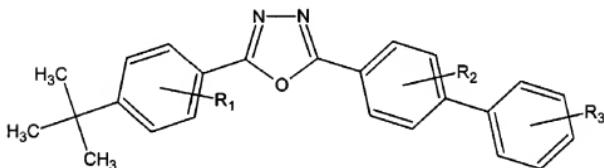
Formula X



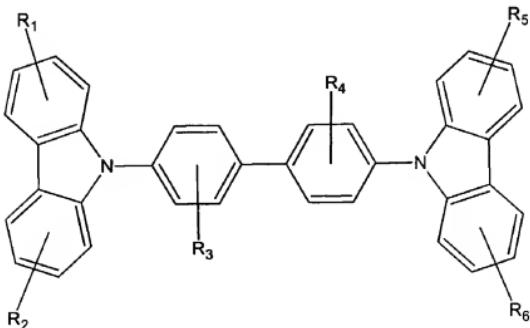
Formula XI



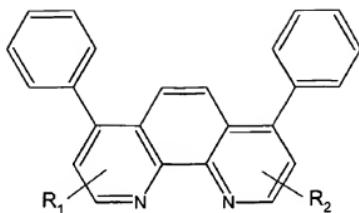
Formula XII



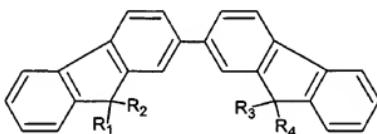
Formula XIII



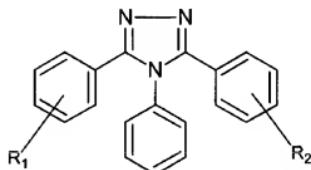
Formula XIV



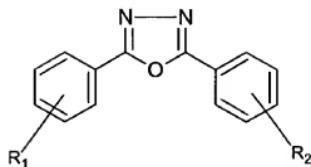
Formula XV



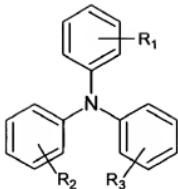
Formula XVI



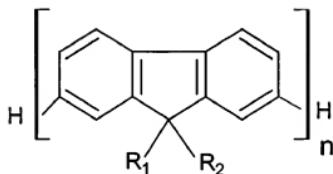
Formula XVII



Formula XVIII



Formula XIX

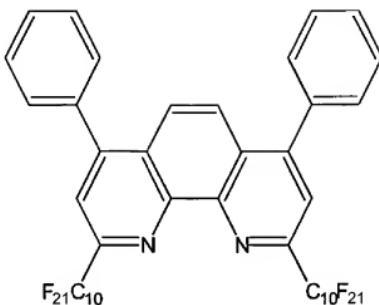


Formula XX

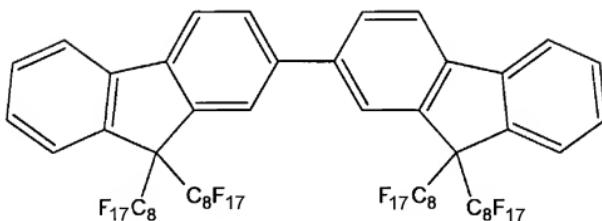
in which R1, R2, R3, R4, R5, R6, R7, R8 and R9 are at least partially identical or different and are selected from the group comprising hydrogen, hydroxyl, alkyl, alkenyl, alkynyl, alkoxy, aryl, alkylene, arylene, amines, halogen, carboxylate derivatives, cycloalkyl, carbonyl derivatives, heterocycloalkyl, heteroaryl, heteroarylene, sulfonate, sulfate, phosphonate, phosphate, phosphine and/or phosphine oxide, wherein at least one R1, R2, R3, R4, R5, R6, R7, R8 and/or R9 represents a fluorinated alkyl substituent, a fluorinated alkenyl substituent and/or a fluorinated alkynyl substituent in which at least two fluorine atoms are bonded to at least one carbon atom; and

in which n = 1 to 10,000,000.

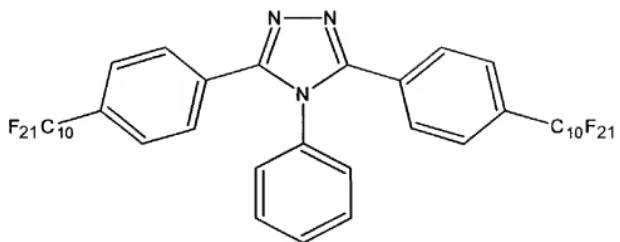
8. (Previously presented) A conductor material as claimed in claim 1, wherein the conductive fluorinated organic substance is selected from the group comprising at least one compound having one of the following structural formulae XXI to XXVI:



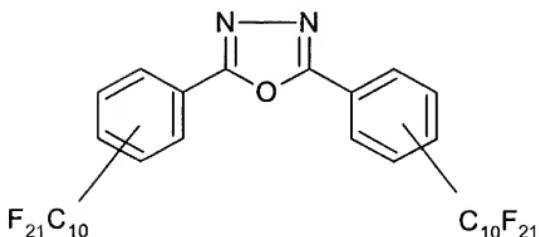
Formula XXI



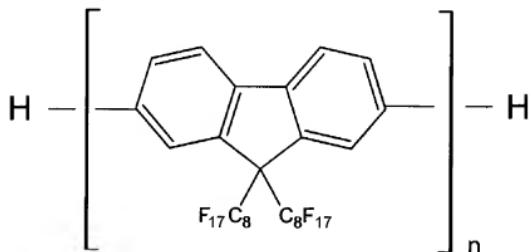
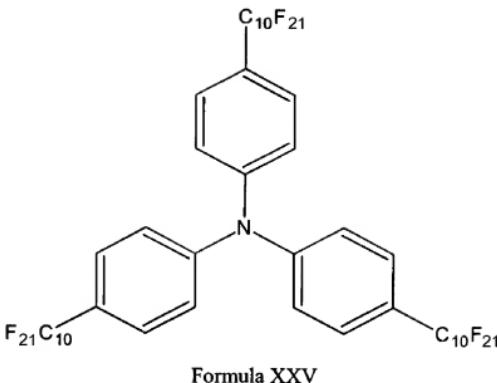
Formula XXII



Formula XXIII



Formula XXIV



Formula XXVI

in which $n = 1$ to 10,000,000.

9. (Currently amended) A diode, in particular that is at least one of an organic light-emitting diode (OLED) or a polymer light-emitting diode (polyLED), and that comprises one or more layers which comprisesat least one conductive fluorinated organic substance as claimed in claim 1.

10. (Currently amended) A luminous means comprising at least one diode, ~~in particular an OLED and/or polyLED~~ as claimed in claim 9.